

Procurement of VGM Systems for RMG & SC Cranes					
s/n	Description	Unit	Quantity	Estimated unit price	Estimated total price (€)
1	Verified Gross Mass (VGM) system for Rail Mounted Gantry (RMG) Cranes situated in Pier I Container Terminal of Piraeus Port Authority S.A.	sets	6		
2	Verified Gross Mass (VGM) system for Straddle Carrier (SC) Cranes situated in Pier I Container Terminal of Piraeus Port Authority S.A.	sets	2		
				Total: €	
				Plus VAT 24%: €	
				GRAND TOTAL: €	
Mininum requirements to be provided within the candidates technical offer:					
<p>1. Candidates must prove that their offered VGM systems:</p> <p>a) Are in accordance with IMO and SOLAS regulations.</p> <p>b) Fulfil the requirements of relevant EU and Greek legislation.</p> <p>c) Are CE certified and have the relevant Declaration of Conformity.</p> <p>d) Have the relevant type approval for installation on hoisting machinery.</p>					
<p>2. The proposed VGM systems should be offered with all the relevant parts for a complete installation on each crane (including cables, brackets, bolts and nuts etc.)</p>					
<p>3. The following for the proposed VGM systems should be clearly identified within the candidates' offer:</p> <p>a) The brand and model of the system.</p> <p>b) Relevant drawings and technical data.</p> <p>c) Indicative installation and calibration guidelines (More analytical information may be requested).</p> <p>d) Proof of sales of same system to other Container Ports, i.e. indicatevely but not limited to: invoices, contract abstracts, certificates by the clients (ports) etc.</p>					
<p>4. The proposed system should be able to withstand the impact and shock created by the spreader landing on a container and should be designed to last for at least two (2) years without the need for repair or replacement (under normal operating circumstances).</p>					
<p>5. The requested VGM system for the six (6) RMGs shall be "pin type" and the connection point will be between headblock and spreader . The requested VGM system for the two (2) Straddle Carriers shall be "annular load cell type" which will be full adaptable to suit to Kalmar ESC 350W (built year 2012 with S. N. 4899 - 4902) making it a permanent feature of the container handling equipment of the relevant Straddle Carriers .</p>					
<p>6. The proposed systems should allow for an easy installation to the cranes without the requirement of modifications to the cranes.</p>					
<p>7. The proposed system brand should have technical/after-sales support within the EU and preferably in Greece.</p>					
<p>8. The proposed system should have a warranty period of at least two (2) years where if damage occurs, the parts will be replaced free of charge and the extra warranty period will be added to the newly delivered parts.</p>					
<p>9. The proposed system should have the ability to integrate through a wireless connection with CATOS Terminal Operating System.</p>					
<p>10. The connections between the transmitter - receiver on the cranes shall be wireless.</p>					
<p>11. The system should clearly inform the operator working in his/her cabin and the CATOS system the weight of the held container within no longer than three (3) seconds of lifting of the container.</p>					

12. The ingress protection of the systems to be installed outside should be no less than IP65.
13. The requested VGM system shall has been developed in response to Port industry needs and shall deliver highly accurate and repeatable results that are in-line with PPA expectations . The "pin type" (for RMGs) and the "annular load cell type" (for SC) VGM systems shall be constructed from either stainless steel or an adequetely coating steel suitable for marine environments.
14. Candidates shall provide within their financial offers both the equipment and installation at PPA facilities.
15. Delivery Terms: i. DDP at Piraeus Port Authority, Container Terminal, Pier I, Piraeus, Greece. ii. Maximum delivery time: no longer than three (3) months from date of assignment, to be clearly stated within the technical offer.
16. Payment terms: Two (2) months upon invoicing and only after the services' final delivery and acceptance by the competent Acceptance Committee of PPA.
17. Award Criterion: Lowest price in accordance with the requirements of this Invitation.